LISTING OF THE CLAIMS

1.   (Previously Presented)   A method of carrying out quality control for an analysis process of a group of related analysis processes including a chain of sub-processes, the method comprising:

storing at least one of fundamental chemical and physical basic sub-processes for the group in a first database;

representing at least a part of the chain of the analysis process by specifying one of the basic sub-processes, per sub-processes of the part of the chain, using at least one control parameter and at least one associated threshold value;

determining measurement values of the control parameters for at least one run of the analysis process;

comparing the measurement values with the associated threshold values for the quality control in a chronological order of the occurrence of the sub-processes in the part of the chain in the course of the analysis process; and

outputting a result of the comparing the measurement values with the associated threshold values for the quality control.

2.   (Original)   The method as claimed in claim 1, wherein the analysis processes includes at least one of chemical and biochemical analysis processes.

3.   (Original)   The method as claimed in claim 1, wherein at least one of the basic processes is used repeatedly for the representation.

4.   (Original)   The method as claimed in claim 1, wherein the part of the chain contains only the quality-relevant sub-processes.

5.   (Original)   The method as claimed in claim 1, wherein the representation is aided by a correspondingly designed graphical user interface.

6.   (Original)   The method as claimed in claim 5, wherein the graphical user interface aids the representation by at least one of drag-and-drop techniques, drop-down lists and checking

list elements with a mouse click.

7.   (Original) The method as claimed in claim 1, wherein the represented part of the chain is stored with the control parameters and threshold values in a second database.

8.   (Original) The method as claimed in claim 1, wherein associated measurement values lying above or below the threshold values are evaluated during the comparison.

9.   (Original) The method as claimed in claim 1, wherein a run of the analysis process is terminated if one of the measurement values violates a predetermined relation with respect to the associated threshold value during the comparison.

10.   (Original) The method as claimed in claim 1, wherein at least one of the measurement values and the results of the comparison are stored.

11.   (Currently Amended) The method as claimed in claim 10, wherein a reference of a run of at least one of the analysis process and a reference of at least a part of an~~the~~ analyzer is also stored.

12.   (Original) The method as claimed in claim 1, wherein at least one of the measurement values and the results of the comparison for a plurality of runs of the analysis process are at least one of stored and statistically evaluated.

13.   (Original The method as claimed in claim 1, wherein at least one of the measurement values and the results of the comparison are stored in a third database.

14.   (Original) The method as claimed in claim 1, wherein at least one of the measurement values and the results of the comparison are used to at least one of assist maintenance of an analyzer for carrying out the analysis process and to provide feedback about a manufacturing processes of at least parts of the analyzer.

15.   (Original) A device for carrying out the method as claimed in claim 1, the device

comprising an analyzer for carrying out the analysis process.

16. (Original) The device as claimed in claim 15, wherein the device includes a computer workstation.

17. (Original) The device as claimed in claim 16, wherein the computer workstation is connectable to the analyzer.

18. (Original) The device as claimed in claim 17, wherein the analyzer and the computer workstation are connectable together via an electrically engineered data connection.

19. (Original) The device as claimed in claim 16, wherein a first database is stored in the computer workstation.

20. (Original) The device as claimed in claim 16, wherein the computer workstation is designed for at least one of representing the part of the chain and for the statistical evaluation.

21. (Original) The device as claimed in claim 20, wherein at least one of a second database and at least parts of the third database are stored in the analyzer.

22. (Original) The device as claimed in claim 15, wherein the analyzer is designed for determining the measurement values.

23. (Original) The device as claimed in claim 15, wherein the analyzer includes a base unit and subunits, attachable into the base unit.

24. (Original) The device as claimed in claim 23, wherein the subunits are provided with an electronic memory chip.

25. (Original) The device as claimed in claim 24, wherein at least one of a second database and at least parts of the third database are stored in the subunits.

26.   (Original) The device as claimed in claim 25, wherein a reference of the respective subunit are stored in the third database.

27.   (Original) The device as claimed in claim 15, wherein the analyzer is intended for analyzing at least one substance in a bodily fluid of a living being.

28.   (Original)   The device as claimed in claim 18, wherein the analyzer and the computer workstation are connectable together via the Internet.

29.   (Original) The device as claimed in claim 15, wherein the analyzer includes a base unit and disposable, attachable into the base unit.

30.   (Previously Presented) A device for performing an analysis process of a group of related analysis processes including a chain of sub-processes, the device comprising:

        means for storing at least one of fundamental chemical and physical basic sub-processes for the group in a first database;

        means for representing at least a part of the chain of the analysis process by specifying one of the basic sub-processes, per sub-processes of the part of the chain, using at least one control parameter and at least one associated threshold value;

        means for determining measurement values of the control parameters for at least one run of the analysis process;

        means for comparing the measurement values with the associated threshold values for the quality control in a chronological order of the occurrence of the sub-processes in the part of the chain in the course of the analysis process; and

        means for outputting a result of the comparing the measurement values with the associated threshold values for the quality control.

31.   (Original)   A device as claimed in claim 30, wherein the device includes an analyzer.

32.   (Original)   The device as claimed in claim 31, wherein the device includes a computer workstation.

33.   (Original)   The device as claimed in claim 32, wherein the computer workstation is connectable to the analyzer.

34.   (Original)   The device as claimed in claim 33, wherein the analyzer and the computer workstation are connectable together via an electrically engineered data connection.

*   *   *   *   *

END OF CLAIM LISTING